



# Facilitating Open Knowledge:

## The Intersection of Wikidata and Libraries

AALL TS/OBS Joint Summit • July 27, 2020

# About the Speakers



**Mairelys Lemus-Rojas:** Mairelys is the lead author of chapter “Wikidata and Libraries:Facilitating Open Knowledge” of the book “Leveraging Wikipedia: Connecting Communities of Knowledge” published in 2018. She works as the Open Knowledge Librarian at IUPUI and is an active author and speaker. Mairelys has shared her insightful thoughts about exposing curated library data and increasing the representation of scholars in Wikidata through the development and implementation of the *Scholarly Profiles as Service* model.



**Thomas Ma:** Tom is the Cataloging Manager for the Professional Schools at Harvard University, which includes the Law Library. Tom has over 16 years of experience as a Law Librarian at Harvard. In addition to cataloging, Tom works with ISNIs, Wikidata, identity management and linked data. He is also the project manager for the Nuremberg Trials Wikidata Project at Harvard.



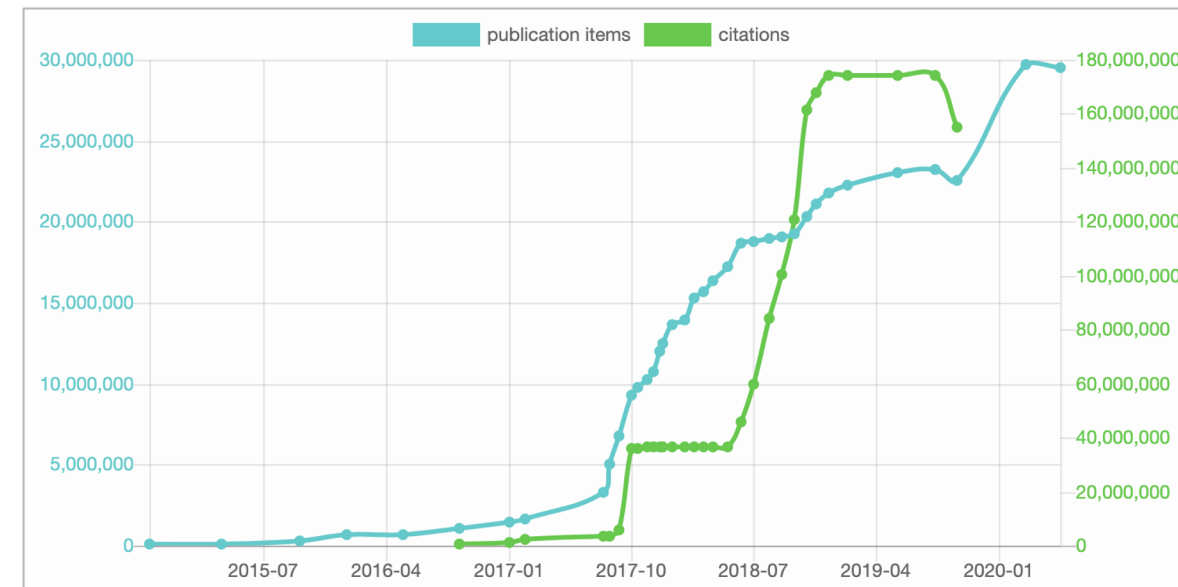


# Outline

- What is Wikidata?
- Wikidata Basics
- Why Contribute to Wikidata?
- Libraries/Archives and Wikidata
  - VIAF | SNAC | Library Catalogs | Inventaire | Bib & Authority Records | LD4
- Library Use Cases
  - IUPUI University Library: Scholarly Profiles as Service
    - Tools to contribute data: QuickStatements & Source MetaData | Tool to visualize data: Scholia
  - Harvard: Maps | Harvard Film Archives | Nuremberg Project
    - Tool to visualize data: Reasonator | Tool to query data: Wikidata Query Service
- Projects
  - WikiCite | WikiProject Law | WikiProject Libraries | WikiProject Open Access

# What is Wikidata?

- Multilingual knowledge base
- Launched in 2012
- Project led by Wikimedia Deutschland
- Stores structured linked data under a CC0 license
- Read by both humans and machines
- Collaboratively edited
- Contains over 87 million items and 7 thousand properties
  - Including a growing collection of open citation data



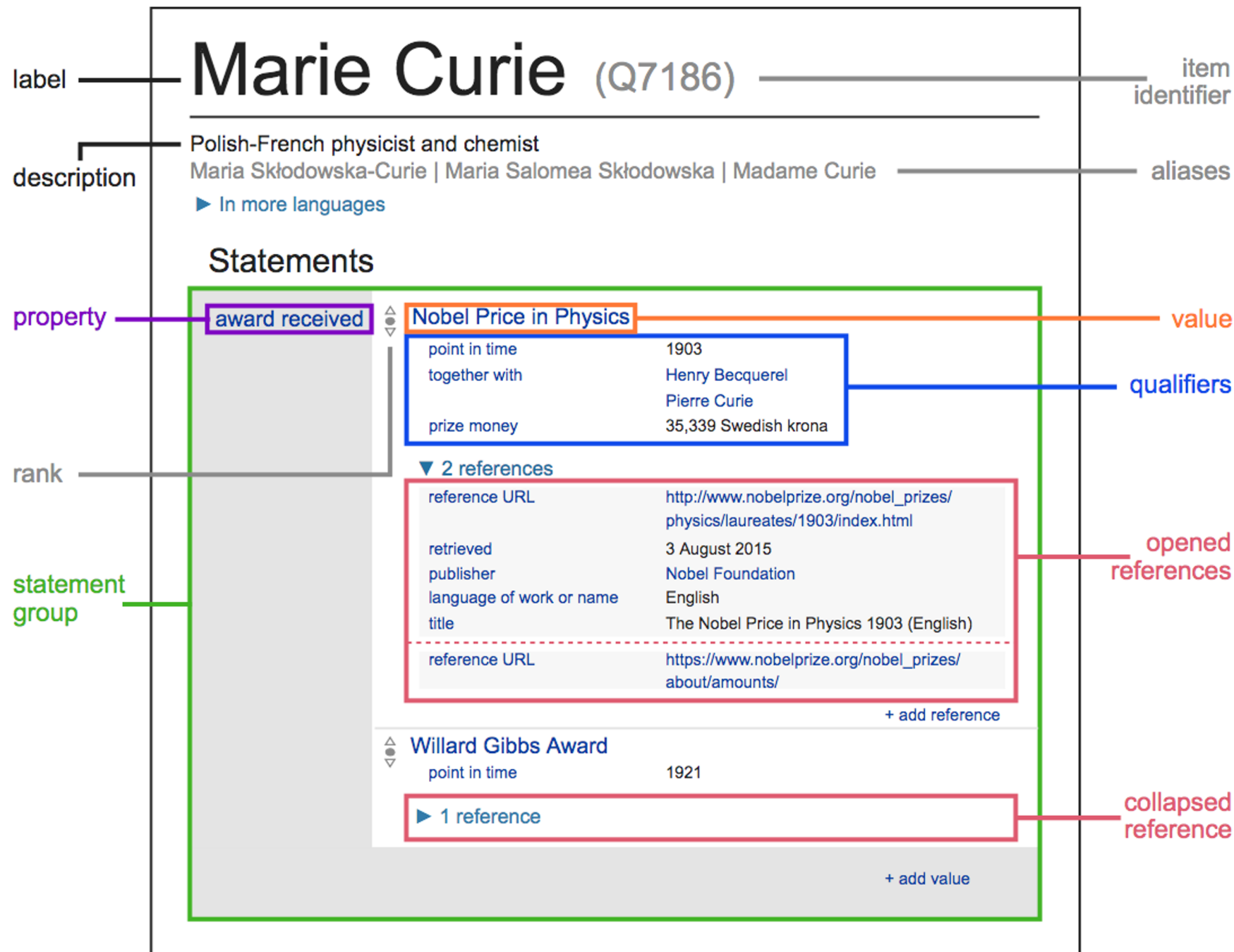
Link: <http://wikicite.org/statistics.html>



# Wikidata Basics

- Entities in Wikidata can be either **Items** or **Properties**
- **Items** represent topics, concepts, objects, and may contain:
  - Statements (in the form of property-value pairs)
  - Qualifiers (to provide context and scope)
  - References (to provide sources)
- **Properties** are used to describe data values
- All **Items** (Q#) and **Properties** (P#) have unique identifiers
- Data stored in triples
  - **Subject** > **Predicate** > **Object**
  - **American Association of Law Libraries** > **headquarters location** > **Chicago**
  - **Q4743067** > **P159** > **Q1297**

# Wikidata Data Model



Link: [w.wiki/32q](https://www.wikidata.org/wiki/Q7186)

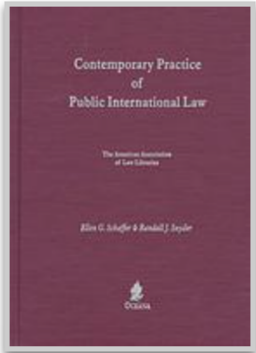
















# Why Contribute to Wikidata?


- Because it's an open and freely accessible platform for anyone to edit
- Because it aligns with the libraries' mission to serve their communities
- By contributing to the knowledge base, libraries could:
  - Improve the coverage of underrepresented communities
  - Increase the visibility of faculty and their scholarship
  - facilitate the improvement of catalog records
  - Increase the visibility of and traffic to archival collections
  - help establish connections among collections
  - impact the search results in knowledge graphs


Libraries/Archives and Wikidata

# Wikidata in VIAF (Virtual International Authority File)














American association of law libraries              

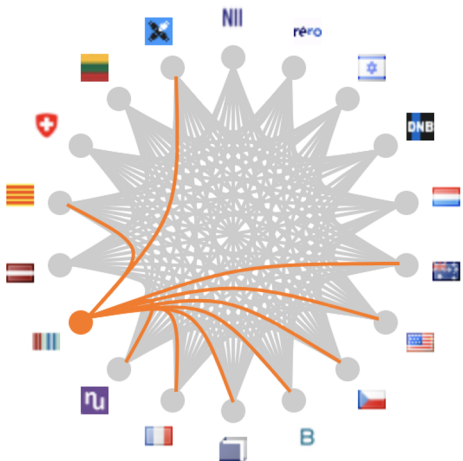
American Association of Law Libraries (Chicago(Illinois)) 

American Association of Law Libraries organization 

VIAF ID: 133533641 (Corporate)  
Permalink: <http://viaf.org/viaf/133533641>

Preferred Forms

	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 _ _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	110 2 _ <a href="#">1a American Association of Law Libraries</a>
	210 0 2 <a href="#">1a American Association of Law Libraries</a>



Wikidata  
WKP-Q4743067

Link: <http://viaf.org/viaf/133533641>

# Wikidata in SNAC (Social Networks & Archival Context)

snac

Search

About

Help

Login

View Collection Locations

Archival Resources

Show 10 entries


Search: Title, Role, Repository

Role	Title	Holding Repository
creatorOf	Kampf, Leopold, b. 1881. "On the eve," by Martha Morton. From the German of Leopold Kampf.	New York Public Library System, NYPL
creatorOf	Morton, Martha, 1865-1925. A bachelor's romance / [Martha Morton].	Ohio State University Libraries
creatorOf	Morton, Martha, 1865-1925. A bachelor's romance : typescript, after 1912.	University of Pennsylvania Libraries, Van Pelt Library
referencedIn	Ruth Fischer papers, 1925-1961 (inclusive) 1940-1961 (bulk).	Houghton Library

Showing 1 to 4 of 4 entries

Previous 1 Next

Bibliographic and Digital Archival Resources

  
Image from Wikimedia Commons


Person


Exist Dates:


Birth 1865


Death 1925

Related Descriptions

 Virtual International Authority File

 Wikidata

 WorldCat Identities

 LC Name Authority File

Link: <https://snaccooperative.org/>



# Wikidata in Library Catalogs

Laurentian University  
Université Laurentienne

Language: English (US) Change My Account


Library Home Electronic Journals (A-Z) Databases Archives Course Reserves Contact Us

Search the Catalog [Advanced Search](#) [Browse the Catalog](#)

Search:  Type: Keyword Format: All Formats

Library: Laurentian University Search

The spirit of radio [sound recording] : greatest hits, 1974-1987 / Rush  
[Rush](#), (Performer), [Lee, Geddy](#), (Instrumentalist), [Lifeson, Alex](#), (Instrumentalist), [Peart, Neil](#), (Instrumentalist).

**Neil Peart**  
 Canadian drummer  
Instruments: drum kit  
Birth place: [Hamilton](#)  
Web site: <http://www.neilpeart.net>  
[Discography \(Musicbrainz\)](#)  
Twitter: [Praetorianx1](#)  
Edit on Wikidata: [Q313668](#)

Neil Ellwood Peart OC (; September 12, 1952 – January 7, 2020) was a Canadian musician, songwriter, and author, best known as the drummer and primary lyricist of the rock band Rush. Peart earned numerous awards for his musical performances, including an induction into the Modern Drummer Readers Poll Hall of Fame in 1983, making him the youngest person ever so honoured. His drumming was renowned for its technical proficiency and his live performances for their exacting nature and stamina. <sup>W</sup>

CD Music recording

**Available copies**


- 1 of 1 copy available at Conifer. [\(Show\)](#)
- 1 of 1 copy available at Laurentian University.

**Current holds**

0 current holds with 1 total copy.

[Add to basket](#)  
[Print / Email](#)  
[Permalink](#)


Link: <https://laurentian.concat.ca/eg/opac/record/738234>

 **SEARCH**  
University of Wisconsin-Madison Libraries

ARTICLES CATALOG

Keywords Catalog search for books, music, movies, and more

Search > Catalog > Does female schooling reduce fertility...

 **Does female schooling reduce fertility? : evidence from Nigeria**  
Osili, Una Okonkwo

Osili, Una Okonkwo

**WORKED IN** Indianapolis

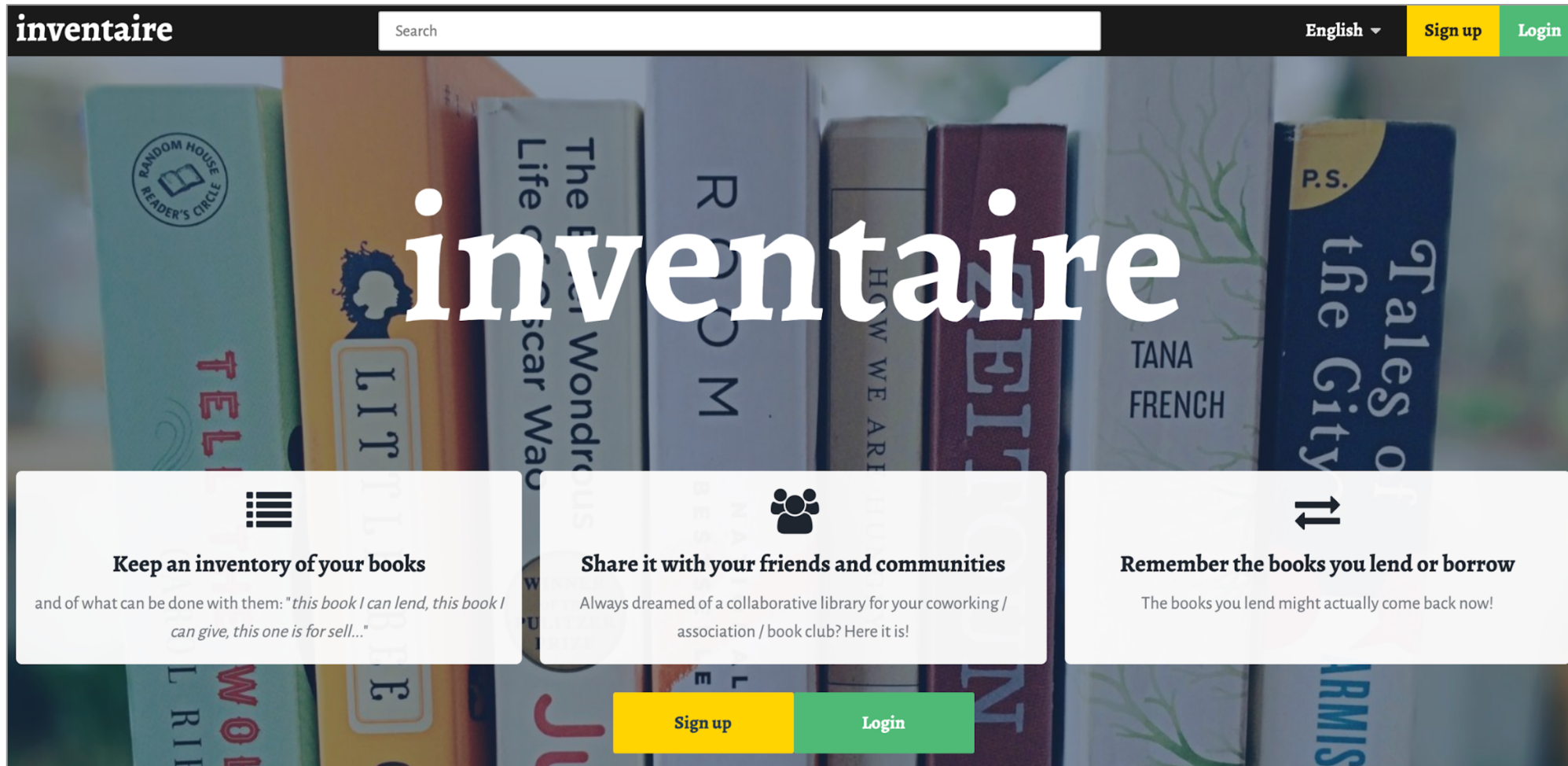
**Abstract** (Source: [Wikidata](#))  
professor of economics and philanthropic studies

**Education** (Source: [Wikidata](#))  
Northwestern University  
Harvard University

**Identities on The Web**  
<http://id.loc.gov/authorities/names/n2004144107>  
<http://viaf.org/viaf/43025147>  
<http://www.wikidata.org/entity/Q32979516>

Link:  
<https://search.library.wisc.edu/catalog/9910034010302121>

# Inventaire



Link: <https://inventaire.io/welcome>

# Wikidata in Bibliographic and Authority Records

**LIBRARY**  
LIBRARY OF CONGRESS

ASK A LIBRARIAN


DIGITAL COLLECTIONS

LIBRARY CATALOGS

Search  **GO**

The Library of Congress > Cataloging, Acquisitions > PCC > PCC Task Group on URIs in MARC

CATALOGING AND ACQUISITIONS

**Program for Cooperative Cataloging**  
BIBCO / CONSER / NACO / SACO

**GO**

- [PCC Home](#)
- [Calendar](#)
- [Contact Us](#)
- [Directory](#)
- [Discussion Lists](#)
- [Join the PCC](#)
- [Organization & Governance](#)
- [PCC Comm Channel](#): quarterly bulletin of the PCC
- [Reports & News](#)
- [Resource & Forms Directory](#)
- [Statistics](#)

**PCC Resources for**

- [Library Directors](#)
- [Vendors](#)

**PCC Task Group on URIs in MARC**

Programs of the PCC: **BIBCO** CONSER NACO SACO

**Charge:**

Although the cataloging community's attention has largely been focused in recent times on formats for native linked data production, particularly BIBFRAME, library catalog data produced in our existing systems is already being exposed on a large scale as linked data.

Globally unique identifiers, given in the form of URIs, are a key requirement for the effective dissemination of data on the Semantic Web. Traditional library cataloging practices have not favored the explicit provision of identifiers and this has been an obstacle to the library community's ability to exploit linked data technologies. In recent years the MARC format has been extended to provide for identifiers for a wide range of entities represented in bibliographic and authority records, but thus far these new elements have not consistently been populated. Moreover, the current practice is generally to supply an alphanumeric string rather than a URI even though URIs are available in many cases.

The cataloging community has an excellent opportunity, however, to close this gap. Any access point that is associated with an authority can readily be associated with an identifier. In addition, efforts have been under way by OCLC, among others, to create identifiers for a range of entities and reconcile MARC descriptions with them. There is therefore a great deal that libraries can do in our current environment to begin the transition from string-based descriptive and authority data. Indeed, the provision of such identifiers is already well established in some communities. In addition to enhancing the value of MARC data in the current environment, the provision of identifiers will also greatly facilitate migration to other metadata formats, including MODS and BIBFRAME.

The PCC is committed through its strategic plan to lead the transition to optimize library data for the web. Providing URIs in MARC records will greatly facilitate the reuse of MARC data as linked data and opens the way for catalogers to work with entity registries and controlled vocabularies from the larger metadata community. The time is right for PCC to develop a strategy that supports these objectives, outlined in the [PCC Strategic Directions, 2015-2017](#).

Reporting to the PCC Policy Committee, the PCC Task Group on URIs in MARC is charged to:

1. Identify and address any immediate policy issues surrounding the use of identifiers in MARC records that should be resolved before implementation proceeds on a large scale. These issues may include:
  - whether to use alphanumerical identifiers or URIs;
  - the use of multiple identifiers for the same entity;
  - where to put work and expression identifiers.
2. In collaboration with the PCC Standing Committees, develop guidelines for including identifiers in MARC bibliographic and authority records.
3. Develop a work plan for the implementation of identifiers in \$0 and other fields/subfields in member catalogs and in PCC-affiliated utilities. Tasks may include:
  - determine the entities for which identifiers should be provided in an initial implementation;
  - identify source vocabularies that will need to be accommodated;
  - identify automated methods for populating and maintaining new and existing records with identifiers;
  - develop requirements for tools that will allow catalogers to work accurately and efficiently with linked data vocabularies;
  - identify functionality that will be required for library systems (including ILSs and utilities) to exchange, control, protect

Link:

<https://www.loc.gov/aba/pcc/bibframe/TaskGroups/URI-TaskGroup.html>



# LD4 Projects

## SINOPIA

[Profile Editor](#)

[Help and Resources](#)

### Latest news

#### Sinopia Version 2.0.28 highlights

For complete release notes see the [Sinopia help site](#).

- Component for easier entering of diacritics for literal fields.
- "Create New" dropdown menu on Sinopia lookp fields shows all matching items.
- Images are included in extended context in Search results.
- URI of resource is displayed in Search results for Sinopia and for external sources

### Login to the Linked Data Editor

User name

Password

Login

[Forgot Password](#)

[Request Account](#)

The underdrawing for the new world of linked data in libraries

Link: <https://sinopia.io/#>

# Library Use Cases



# IUPUI University Library

Link: <https://w.wiki/WRu>

# Scholarly Profiles as Service

- Pilot project conducted in 2017 to explore the potential of Wikidata and Scholia
- Project informed the development of the **Scholarly Profiles as Service** [1] model, which aims at:
  - providing a presence in Wikidata for IUPUI-affiliated faculty
  - adding the scholarship produced by the faculty
  - making connections between faculty and their works

[1] Link: <https://w.wiki/WRv>

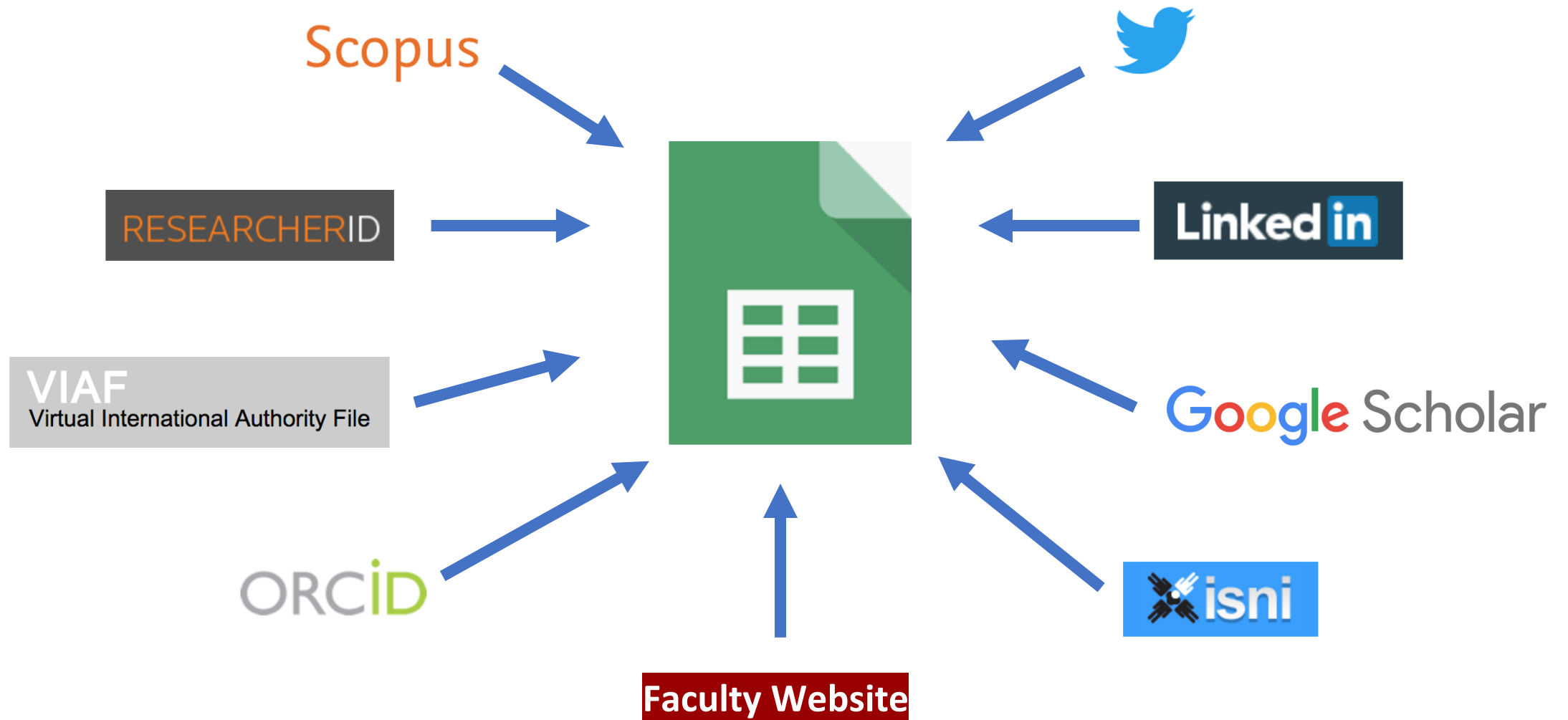
# Why Wikidata for Faculty Profiles?

- Aligns with our library commitment to open knowledge [1]
- Ability to contribute to a freely accessible open linked data platform
- Ability to connect works
- Opportunity to increase faculty representation
- Enables external tools to make use of the data and display it in more meaningful ways

[1] Link: <http://www.ulib.iupui.edu/digitalscholarship/openknowledge>



# Scholarly Profiles: Data Gathering





# Wikidata Tools


- QuickStatements
- Source MetaData
- Scholia

# Tool to Contribute Data: QuickStatements

- Executes automatic edits in Wikidata

QuickStatements

English




New batch

Last batches

Chat

Git

Help

Log in 

QuickStatements is a tool to batch-edit Wikidata

This is a new interface for QuickStatements V2. Just in case, the old interface is **here**.

New batch

batch number

See batch details

user name

See batches by user

temp. batch ID

Discuss/revert a temporary (browser-based) batch

Link: <https://quickstatements.toolforge.org/#/>


# QuickStatements Example

Status: DONE		100% (3) of 3 done	
1	<div>done</div> Cynthia M. Adams [Q97702985]	<div>CREATE</div> Item	<div> <div> <div>en:Cynthia M. Adams</div> <div>en:vice dean and clinical professor of law</div> <div>instance of [P31]:human [Q5]</div> <div>sex or gender [P21]:female [Q6581072]</div> <div>languages spoken, written or signed [P1412]:English [Q1860]</div> <div>affiliation [P1416]:Indiana University Robert H. McKinney School of Law [Q14688472]</div> <div> <div>employer [P108]:Indiana University – Purdue University Indianapolis [Q1433199]</div> <div>reference URL [P854]:<a href="https://www.linkedin.com/in/cynthia-m-adams-34113514/">https://www.linkedin.com/in/cynthia-m-adams-34113514/</a></div> <div>retrieved [P813]:2020-07-26</div> </div> <div>work location [P937]:Indianapolis [Q6346]</div> <div>occupation [P106]:university teacher [Q1622272]</div> <div> <div>official website [P856]:<a href="https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=43">https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=43</a></div> <div>language of work or name [P407]:English [Q1860]</div> </div> <div> <div> <div>educated at [P69]:Kentucky Wesleyan College [Q1739079]</div> <div>academic degree [P512]:Bachelor of Arts [Q1765120]</div> <div>reference URL [P854]:<a href="https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=43">https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=43</a></div> <div>retrieved [P813]:2020-07-26</div> </div> <div> <div> <div>educated at [P69]:Indiana University Robert H. McKinney School of Law [Q14688472]</div> <div>start time [P580]:1979</div> <div>end time [P582]:1983</div> <div>academic degree [P512]:Juris Doctor [Q1540185]</div> <div>reference URL [P854]:<a href="https://www.linkedin.com/in/cynthia-m-adams-34113514/">https://www.linkedin.com/in/cynthia-m-adams-34113514/</a></div> <div>retrieved [P813]:2020-07-26</div> </div> </div> </div> </div></div>
2	<div>done</div> Miriam A. Murphy [Q97702987]	<div>CREATE</div> Item	<div> <div> <div>en:Miriam A. Murphy</div> <div>en:director of the Ruth Lilly Law Library</div> <div>instance of [P31]:human [Q5]</div> <div>sex or gender [P21]:female [Q6581072]</div> <div>languages spoken, written or signed [P1412]:English [Q1860]</div> <div>affiliation [P1416]:Indiana University Robert H. McKinney School of Law [Q14688472]</div> <div> <div>employer [P108]:Indiana University – Purdue University Indianapolis [Q1433199]</div> <div>start time [P580]:2000</div> <div>reference URL [P854]:<a href="https://www.linkedin.com/in/miriam-murphy-8799208/">https://www.linkedin.com/in/miriam-murphy-8799208/</a></div> <div>retrieved [P813]:2020-07-26</div> </div> <div>employer [P108]:Wake Forest University School of Law [Q7960935]</div> <div>reference URL [P854]:<a href="https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=71">https://mckinneylaw.iu.edu/faculty-staff/profile.html?id=71</a></div> <div>retrieved [P813]:2020-07-26</div> </div> </div>

# Tool to Contribute Data: Source MetaData

- Searches bibliographic metadata based on identifiers (PMCID, PMID, DOI, ISBN, ORCID)

Source MetaData

Tools Issues Talk 

The IDs and action you enter below will be added to a batch system.  
It will run in the background, you won't have to keep the browser open.

Input list

IDs (one per row), or SPARQL (see checkbox)

☐ The above is a SPARQL query, rather than a list of IDs; first returned variable will be used as IDs

Check/add papers

(list: one PMID/DOI/PMCID per row)

Add authors to publications

 by creating new items, and adding to existing authors where possible (list: one Wikidata publication item per row)

Add metadata from ORCID authors to Wikidata

 (list: one Wikidata author item or ORCID ID per row)

Create/amend papers for ORCID authors

*slow!* (list: one Wikidata author item or ORCID ID per row)

Create books from ISBN

 (one ISBN per row; can be 'ISBN|Title' if known, otherwise auto-lookup)

Link: <https://sourcemd.toolforge.org/>

# Tool to Visualize Data: Scholia

- Web service that generates scholarly profiles using Wikidata's data

The screenshot displays the Scholia web interface. At the top, there is a navigation bar with the 'SCHOLIA' logo and a series of dropdown menus: Author, Work, Organization, Location, Event, Project, Award, Topic, Tools, and Help. Below the navigation bar, a text box explains that Scholia is a service for creating visual scholarly profiles from Wikidata. A yellow warning box follows, stating that Scholia relies on Wikidata and that Wikidata's subset of scholarly literature is limited. Below this is a 'Search' section with a text input field. The 'Examples' section is divided into three columns: 'Profiles' (showing a profile for Denny Vrandečić), 'Combinations' (showing multiple items for the Technical University of Denmark and University College London), and 'Redirects' (showing a lookup for twitter/utafrith).

**SCHOLIA** Author Work Organization Location Event Project Award Topic Tools Help

Scholia is a service that creates visual scholarly profiles for [topic](#), [people](#), [organizations](#), [species](#), [chemicals](#), etc using bibliographic and other information in Wikidata.

Scholia relies on Wikidata, and Wikidata contains only a limited albeit growing subset of the corpus of scholarly literature, its authors and citations. Read more about the limitations in the [FAQ](#).

## Search

Search for a scientist, topic, publication, organization, award, event, etc.

## Examples

Profiles	Combinations	Redirects
<p><b>Denny Vrandečić</b></p> <p>View the researcher profile for the Semantic Web researcher Denny Vrandečić. It shows his papers, co-authors, etc.</p>	<p>Scholia can show multiple items together.</p> <p><b>Technical University of Denmark and University College London</b></p>	<p>If you know the external identifier of a concept, then Scholia can make a lookup based on it:</p> <p><b>twitter/utafrith</b></p>

Link: <https://scholia.toolforge.org/>

location

## Journals and other collections

Search:

[Edit on query.Wikidata.org](#)



venue

# Indiana Law Review (Q15752078)

## Recently published works

Show 10 entries

Publication date	Work
2018-03-20	<a href="#">David's Sling</a>
2018-03-20	<a href="#">Public Defense Innovation in Texas</a>
2018-03-20	<a href="#">Case Refusal</a>
2018-03-20	<a href="#">Isonomy, Austerity, and the Right to Choose Counsel</a>
2018-03-20	<a href="#">The Future of Access to Justice</a>
2018-03-20	<a href="#">In Celebration of Larry McKinney and Denise LaRue</a>
2018-03-20	<a href="#">Will We Ever Succeed in Fulfilling Gideon's Promise?</a>
2018-03-20	<a href="#">In Memory of Justice Roger O. DeBruler</a>
2018-03-20	<a href="#">False Start</a>
2018-03-20	<a href="#">Re-examining of Indiana's Voter ID Law in Light of Recent Federal Court Cases</a>

publisher

location

organization

# Indiana University Robert H. McKinney School of Law

## (Q14688472)

The Indiana University Robert H. McKinney School of Law (IU McKinney) is located on the campus of Indiana University – Purdue University Indianapolis (IUPUI) in Indianapolis, Indiana, the urban campus of Indiana University. In the summer of 2001, the school moved to its new building, Lawrence W. Inlow Hall. IU McKinney is one of two law schools operated by Indiana University, the other being the Indiana University Maurer School of Law (IU Maurer) in Bloomington. ... (from the [English Wikipedia](#))

## Employees and affiliated

Past and present employees, affiliated, and members

Show 10 entries

Search:

Works	Wikis	Researcher	Researcher description	Orcid
6	0	Heather A. Walter-McCabe	associate professor	0000-0002-0246-4170
4	0	Lea Shaver	professor of law	
3	0	Margaret Ryznar	professor of law	
3	0	Yvonne M. Dutton	professor of law	
3	0	Benjamin J. Keele	law librarian	0000-0002-6029-6785
2	0	Karen E. Bravo	professor of law	

author

# Heather A. Walter-McCabe (Q86928178)

 <https://orcid.org/0000-0002-0246-4170> |  @professormccabe

## List of publications

Show 10 entries

Search:

Date	Work	Type	Pages	Venue	Authors
2017-10-11	<a href="#">Expanding the Base: A Case for Increased Interprofessional Collaboration in Public Health Law and Policy</a>	scholarly article		<a href="#">Indiana Health Law Review</a>	<a href="#">Heather A. Walter-McCabe</a>
2016-07-01	<a href="#">The Affordable Care Act, Substance Use Disorders, and Low-Income Clients: Implications for Social Work.</a>	scholarly article		<a href="#">Social Work</a>	<a href="#">Heather A. Walter-McCabe</a>
2015-05-01	<a href="#">Social work expertise: an overlooked opportunity for cutting-edge system design under the Patient Protection and Affordable Care Act.</a>	scholarly article		<a href="#">Health and Social Work</a>	<a href="#">Heather A. Walter-McCabe</a>
2014-10-21	<a href="#">Seven rules to live by: accommodations in social work education and the field.</a>	scholarly article, review article		<a href="#">Journal of Social Work in Disability and Rehabilitation</a>	<a href="#">Heather A. Walter-McCabe</a>

work

# The Affordable Care Act, Substance Use Disorders, and Low-Income Clients: Implications for Social Work. (Q50184931)

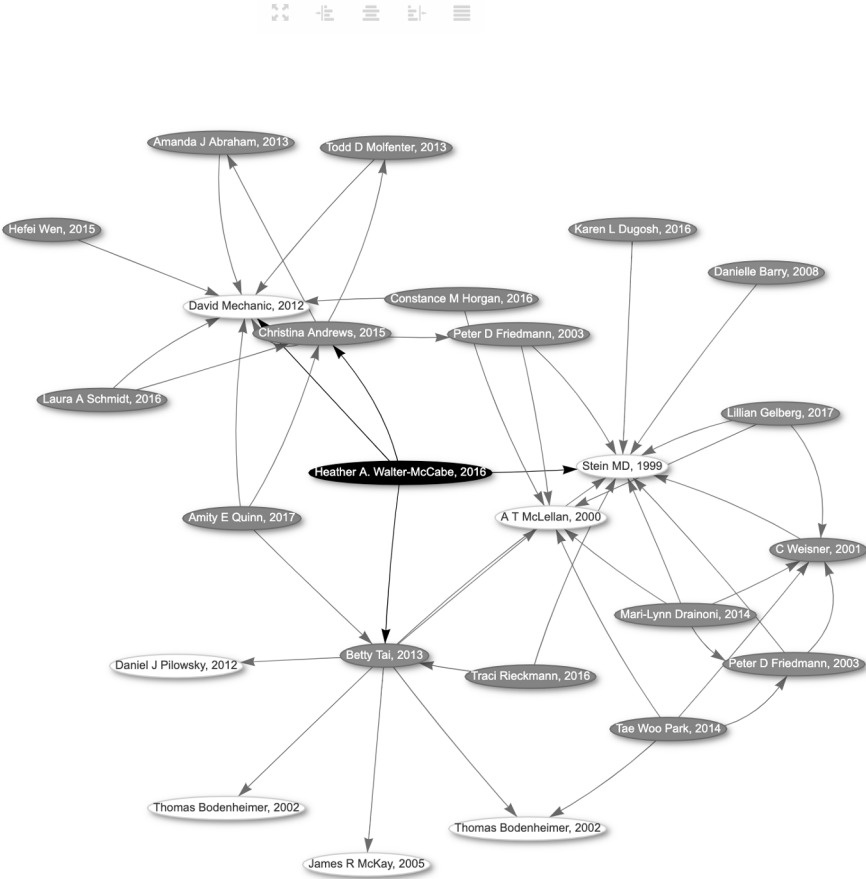
DOI: 10.1093/SW/SWW030

Show 10 entries

Search:

Order	Author	Orcid
1	Heather A. Walter-McCabe	0000-0002-0246-4170

## Citation graph





# Harvard


Link: <https://w.wiki/XiB>



# Some current (LD4) projects at Harvard

- Maps
- Harvard Film archives

# Maps



WIKIDATA

[Project page](#) [Discussion](#)

[Read](#) [Edit](#) [View history](#) [More](#)

## Wikidata:WikiProject Linked Data for Production/Scanned Maps in Wikimedia Commons and Wikidata Project

[< Wikidata:WikiProject Linked Data for Production](#)

**Contents** [\[hide\]](#)

- [1 Aim and Scope](#)
- [2 Background](#)
- [3 Contributors and Contact Information](#)
- [4 Scope](#)
- [5 Timeline](#)
- [6 Goals of the Project](#)
- [7 Workflow](#)
- [8 Tasks](#)
  - [8.1 Batch conversion of MARCXML bibliographic descriptions to Wikidata entities / Structured data on the Commons](#)
  - [8.2 Batch conversion of MARCXML authority descriptions to Wikidata entities / Structured data on the Commons](#)
  - [8.3 Wikidata modeling and, possibly, Cradle form creation for map and cartographer entities](#)
  - [8.4 Manual creating/editing of Wikidata/Commons cartographer/contributor entities](#)
  - [8.5 Manual editing of Wikidata/Commons map image descriptions](#)
  - [8.6 Documentation of project and workflows](#)
- [9 Potential Collaborators](#)
- [10 Tools](#)
- [11 Properties](#)
- [12 Queries](#)

### Aim and Scope [\[edit\]](#)

Convert, create and publish bibliographic and related entity metadata for Harvard Map Collection digital map reproductions as linked data in Wikidata & Wikimedia Commons, and contribute open-access images to Wikimedia Commons.

Define practices and workflows to serve as a scalable prototype for libraries to share larger collections and different types of digital content with Wikimedia.

### Background [\[edit\]](#)

Harvard Library has selected a subset of its maps collection to serve as a scalable prototype for libraries to share larger collections and different types of digital content with Wikimedia. The chosen collection includes historic paper map digital images that support the development of a model workflow for integrating linked data descriptions that feature historically significant geospatial elements with Wikimedia. Harvard will work with Wikimedia to expose digital image content on the web, with relevant metadata and connections to Wikidata entities, and explore enhancement of converted legacy descriptions in the sandbox editing environment as well as native Wikidata tools.

### Contributors and Contact Information [\[edit\]](#)

- [Librarian lena](#) - Lena Denis, lena underscore denis at harvard dot edu
- [Mcmg11](#) - Marc McGee, mmcgee at harvard dot edu


Main page  
Community portal  
Project chat  
Create a new Item  
Create a new Lexeme  
Recent changes  
Random Item  
Query Service  
Nearby  
Help  
Donate

Tools

[What links here](#)  
[Related changes](#)  
[Special pages](#)  
[Permanent link](#)  
[Page information](#)

In Wikipedia [Add links](#)

# Harvard Film Archive



Project page

Discussion

Read

Edit

View history

Wikidata:WikiProject Linked Data for Production/Harvard Film Archive Project

< Wikidata:WikiProject Linked Data for Production

Contents [hide]

1 Under construction

2 Background

3 Contributors and Contact Information

3.1 Tasks

3.1.1 Film director description

3.1.2 Film description

3.1.3 References

3.2 Resources

4 Queries

5 Lists

Under construction [edit]

Background [edit]

Describing filmmakers whose work is held by the Harvard Film Archive.

Contributors and Contact Information [edit]

Fernsebner

- Christine Fersebner Eslao, eslao@fas.harvard.edu

Sradovsk

- Susan Radovsky, sradovsk@fas.harvard.edu

Teyilee

- Te-Yi Lee, te-yi\_lee@gse.harvard.edu

HLLean

- Leo Evangelista, evangel@fas.harvard.edu

Tina.RuaHL

- Albertina Rua, amrua@fas.harvard.edu

Wheelerrd

- Ryan Wheeler, rwheeler@fas.harvard.edu

JBH23

- John Hostage, hostage@law.harvard.edu

OliviaQuintana

- Isabel Quintana, quintana@fas.harvard.edu

Garcia Catherine

- Catherine Garcia, garcia5@fas.harvard.edu

June of PBH

- June Rutkowski, rutkowsk@fas.harvard.edu

Threadleaf050

- Mary Jane Cuneo, cuneo@fas.harvard.edu

Tasks [edit]

Film director description [edit]

Use Film director Cradle form for new items

Main page

Community portal

Project chat

Create a new Item

Create a new Lexeme

Recent changes

Random Item

Query Service

Nearby

Help

Donate

Tools

What links here

Related changes

Special pages

Permanent link

Page information

In Wikipedia

Add links

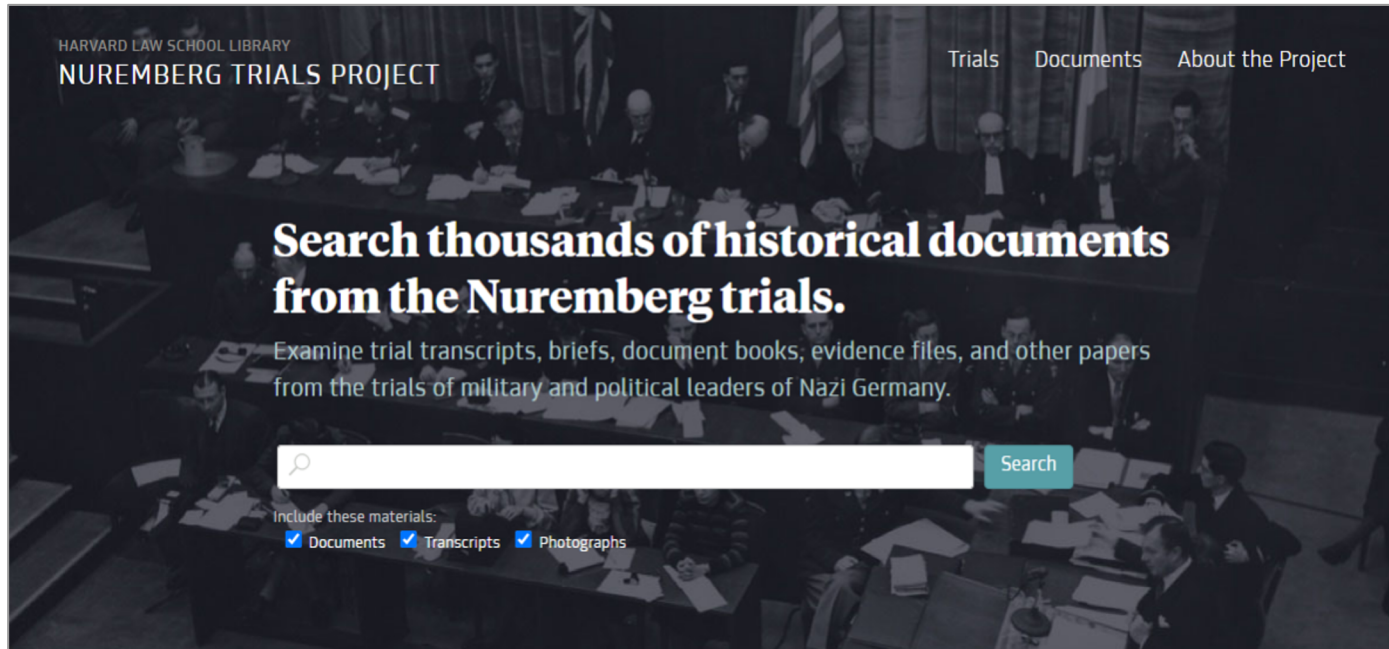
Link: <https://w.wiki/XmQ>



# Nuremberg project

1. Goal
2. Brief history
3. Early attempts
4. Adoption of Wikidata

# Nuremberg Trials Project Website



## Access the Collection

The Harvard Law School Library's Nuremberg Trials Project is an open-access initiative to create and present digitized images or full-text versions of the Library's Nuremberg documents, descriptions of each document, and general information about the trials.

The Project currently provides access to most of the following materials for five of the United States Nuremberg Military Tribunals, NMT 1 (U.S.A. v. Karl Brandt et al.), NMT 2 (U.S.A. v. Erhard Milch), NMT3 (U.S.A. v. Josef Altstoetter et al.), NMT 4 (U.S.A. v. Pohl et al.), and NMT7 (U.S.A. v. Wilhelm List et al.):



### Trial documents

Documents used by the prosecution and defense during the trials.



### Evidence file documents

Sets of evidentiary material assembled by the war crimes staff for potential use in the trials.



### Trial transcripts

Verbatim records of proceedings in court, including witness testimony, oral arguments, and court rulings and judgments.



### Photographs

Photographs of Nuremberg Trials defendants, judges, and trial activities.

Link: [nuremberg.law.harvard.edu](https://nuremberg.law.harvard.edu)

# Knowledge panel

HLS NUREMBERG TRIALS PROJECT

Trials

Documents

About the Project

heinrich himmler

Search

Advanced Search

Filter Results

Results 1-15 of 431 for heinrich himmler

Sort by Relevance

Material Type

Document (426)

Transcript (5)

Trial

NMT 4: Pohl Case (72)

NMT 1: Medical Case (43)

NMT 2: Milch Case (23)

NMT 3: Justice Case (18)

NMT 7: Hostage Case (2)

1 more

Defendant

Oswald Pohl (47)

Erhard Milch (23)

Rudolf Brandt (11)

Viktor Brack (9)

Hans Wolfgang Romberg (7)

65 more

Date

1942 (191)

1943 (81)

1944 (79)

1940 (27)

1941 (21)

5 more

Range: 1939 to 1948

Material

Authors

Date

Type

Letter to Heinrich Himmler concerning Else von Loewiss's letter (on the treatment of insane persons [euthanasia]), and a reply (apparently from Himmler)

Walter Buch

Heinrich Himmler

07 December 1940

3 pages

Speeches concerning the SS and the conduct of the war [six speeches]

Heinrich Himmler

Unknown

189 pages

Letter to Heinrich Himmler concerning chemical sterilization

K. Gerland

24 August 1942

3 pages

Letter to Heinrich Himmler concerning the seawater experiments

Oskar Schroeder

07 June 1944

2 pages

Letter to Heinrich Himmler concerning the sterilization

Heinrich Himmler



Heinrich Luitpold Himmler was Reichsführer of the Schutzstaffel, and a leading member of the Nazi Party of Germany. Himmler was one of the most powerful men in Nazi Germany and a main architect of the Holocaust. As a member of a reserve battalion during World War I, Himmler did not see active service. [Wikipedia](#)

**Born:** October 7, 1900, [Munich, Germany](#)

**Died:** May 23, 1945, [Lüneburg, Germany](#)

**Height:** 5' 9"

**Children:** [Gudrun Burwitz](#), [Nanette Dorothea Potthast](#), [Helge Potthast](#)

**Previous offices:** Commander in Chief of Home Forces (1944–1945), Reichsführer-SS (1942–1943)

# Nuremberg document

TRANSLATION OF DOCUMENT 2428-PS  
OFFICE OF U S CHIEF OF COUNSEL

EXHIBIT

Testimony of Marion Dabrowski, taken at Dachau, Germany 13 May 1945, 1600 hour  
To: 3 Isidor M. Astor, 32,115,631, WCIT 6823, HQ. ETOUSA (J.A. Section) APO 88'  
U.S. Army, appeared before the investigator-examiner as a reporter and was  
sworn by him in the following form: "You swear that you will faithfully per-  
form the duties of reporter in this investigation now being conducted by me,  
so help you God."

S/Sgt Alfred E. Lawrence, 22,425,822, WATT 6823, HQ. ETOUSA (J.A. Section) APO 88'

# Why Wikidata for projects?

## Pros

- Pre-existing infrastructure
  - Pre-vocabulary (properties, etc)
- Pre-existing community
  - Add to items created
  - Community tools
- Easy to learn
- Free and accessible to all
- Community tools

## Cons

- Infrastructure has some flaws
- Free and accessible to all
- Getting new properties approved is a long process
- Notability

# Marian Jacek Dabrowski (Q61914164) …

Catholic priest

 [edit](#)

Marion Dabrowski

► [Recoin: Most relevant properties which are absent](#)

▼ [In more languages](#)

[Configure](#)

Language	Label	Description	Also known as
English	Marian Jacek Dabrowski	Catholic priest	Marion Dabrowski
Spanish	Marian Jacek Dabrowski	No description defined	
German	No label defined	polnischer katholischer Priester	
Traditional Chinese	No label defined	No description defined	

[All entered languages](#)

## Statements

[instance of](#)



[human](#) …

 [edit](#)



▼ [0 references](#)

+ [add reference](#)

+ [add value](#)

[sex or gender](#)



[male](#) …

 [edit](#)



▼ [0 references](#)

+ [add reference](#)

+ [add value](#)

[country of citizenship](#)



[Poland](#) …


 [edit](#)





▼ [0 references](#)


+ [add reference](#)


+ [add value](#)


**Wikipedia** (0 entries)  [edit](#)


**Wikibooks** (0 entries)  [edit](#)


**Wikinews** (0 entries)  [edit](#)


**Wikiquote** (0 entries)  [edit](#)

**Wikisource** (0 entries)  [edit](#)

**Wikiversity** (0 entries)  [edit](#)

**Wikivoyage** (0 entries)  [edit](#)

**Wiktionary** (0 entries)  [edit](#)

**Other sites** (0 entries)  [edit](#)

**OpenStreetMap** [open in overpass](#)

+

-

This map intentionally left blank.

given name

Marian ...

edit

▼ 0 references

+ add reference

+ add value

family name

Dąbrowski ...

edit

▼ 0 references

+ add reference

+ add value

date of birth

15 January 1905 *Gregorian* ...

edit

► 1 reference

+ add value

place of birth

Białystok ...

edit

► 1 reference

+ add value

place of detention

Dachau concentration camp ...

edit

start time5 July 1942 ...

end time29 April 1945 ...

► 2 references

+ add value

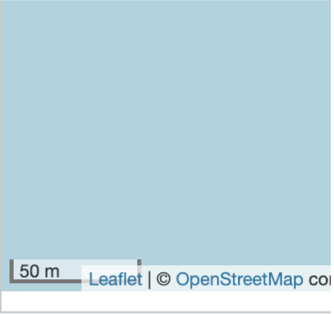
occupation

Catholic priest ...

edit

► 2 references

+ add value





residence

Warsaw ...

edit

1 reference

+ add value

religious order

Franciscan ...

edit

1 reference

+ add value

participant in

Doctors' Trial ...

edit

subject has role

witness ...

1 reference

copy

reference URL

http://nuremberg.law.harvard.edu/documents/73-testimony-concerning-the-malaria?q=dabrowski#p.2

+ add reference

+ add value

+ add statement

Identifiers

VIAF ID

316566239

edit

0 references

+ add reference

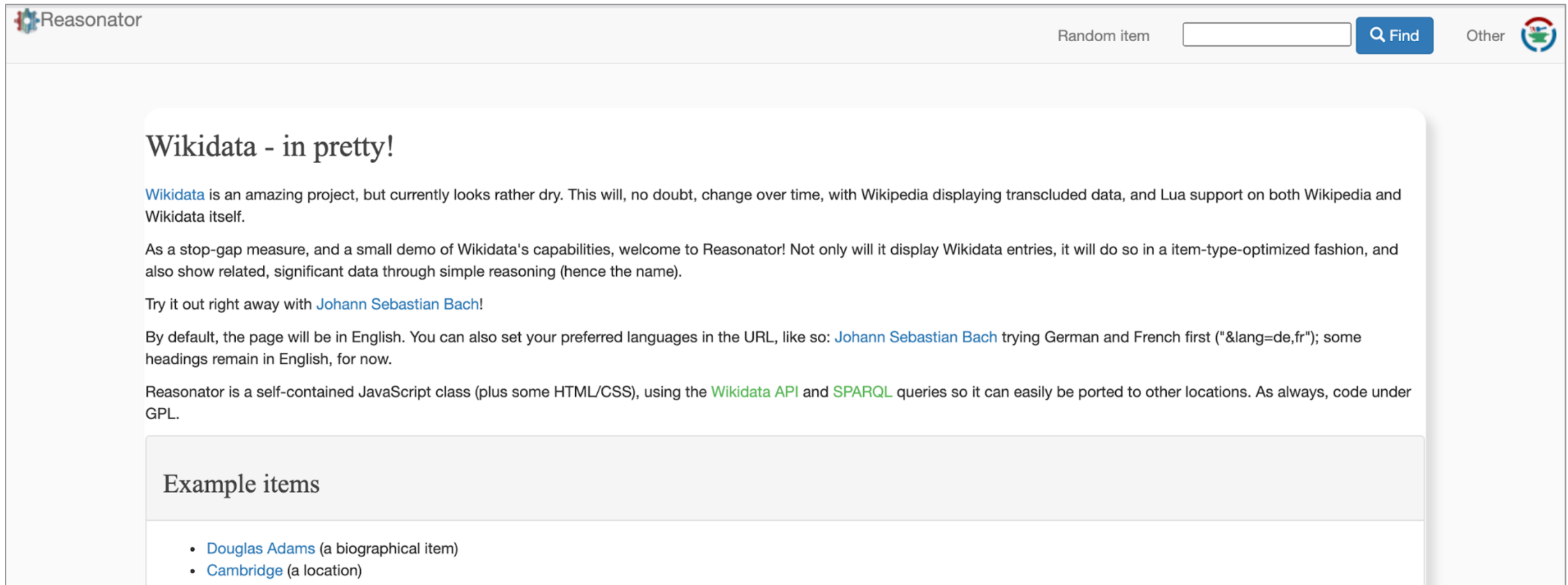
+ add value



# Wikidata Tools


- Reasonator
- Wikidata Query Service
  - Built in visualization

# Tool to Visualize Data: Reasonator



The screenshot shows the Reasonator web application. At the top, there is a header with the Reasonator logo on the left, a "Random item" button, a search input field, a "Find" button, and an "Other" link with a globe icon. The main content area has a light gray background. A white box in the center contains the heading "Wikidata - in pretty!" followed by a paragraph about Wikidata's current state and future improvements. Below this is a paragraph welcoming users to Reasonator and explaining its purpose. Then, there is a paragraph suggesting a search for "Johann Sebastian Bach". Next is a paragraph about language settings in the URL. Finally, there is a paragraph about Reasonator being a self-contained JavaScript class. Below this text is a section titled "Example items" with a list of two items: "Douglas Adams (a biographical item)" and "Cambridge (a location)".

Reasonator

Random item   Other 

## Wikidata - in pretty!

Wikidata is an amazing project, but currently looks rather dry. This will, no doubt, change over time, with Wikipedia displaying transcluded data, and Lua support on both Wikipedia and Wikidata itself.

As a stop-gap measure, and a small demo of Wikidata's capabilities, welcome to Reasonator! Not only will it display Wikidata entries, it will do so in a item-type-optimized fashion, and also show related, significant data through simple reasoning (hence the name).

Try it out right away with [Johann Sebastian Bach](#)!

By default, the page will be in English. You can also set your preferred languages in the URL, like so: [Johann Sebastian Bach](#) trying German and French first ("&lang=de,fr"); some headings remain in English, for now.

Reasonator is a self-contained JavaScript class (plus some HTML/CSS), using the [Wikidata API](#) and [SPARQL](#) queries so it can easily be ported to other locations. As always, code under GPL.

### Example items

- [Douglas Adams](#) (a biographical item)
- [Cambridge](#) (a location)

Link: <https://reasonator.toolforge.org/>

# Marian Jacek Dabrowski (Q61914164)

Marion Dabrowski

Catholic priest

**Marian Jacek Dabrowski** is a [Polish Catholic priest](#).  
He was born on [January 15, 1905](#) in [Białystok](#).

Other properties	
<b>participant in</b>	<a href="#">Doctors' Trial</a> <span>Nuremberg Military Trial (NMT) 1</span> <div>subject has role : <a href="#">witness</a></div>
<b>place of birth</b>	<a href="#">Białystok</a> <span>capital of Podlaskie Voivodeship, Poland</span>
<b>place of detention</b>	<a href="#">Dachau concentration camp</a> <span>German-Nazi concentration camp</span> <div>start time : <span>1942-07-05</span></div> <div>end time : <span>1945-04-29</span></div>
<b>residence</b>	<a href="#">Warsaw</a> <span>capital and largest city of Poland</span>
<b>date of birth</b>	<span>1905-01-15</span>
<b>religious order</b>	<a href="#">Franciscan</a> <span>1209-1517 group of religious orders within the Catholic Church</span>
<b>family name</b>	<a href="#">Dąbrowski</a> <span>family name</span>
<b>given name</b>	<a href="#">Marian</a> <span>male given name</span>

Free images Google search

External sources	
VIAF	<a href="#">316566239</a>

Wikimedia projects	

Concept cloud

# Marian Jacek Dabrowski (Q61914164)

Marion Dabrowski

Catholic priest

**Marian Jacek Dabrowski** is a [Polish Catholic priest](#).  
He was born on [January 15, 1905](#) in [Białystok](#).


## Other properties

<b>participant in</b>	<a href="#">Doctors' Trial</a> <div>subject has role</div>
<b>place of birth</b>	<a href="#">Białystok</a> capital of Poland
<b>place of detention</b>	<a href="#">Dachau concentration camp</a> <div>start time : 1945-04-29 end time : 1945-04-29</div>
<b>residence</b>	<a href="#">Warsaw</a> capital and largest city of Poland
<b>date of birth</b>	1905-01-15
<b>religious order</b>	<a href="#">Franciscan</a> 1209-1517 group of religious orders within the Catholic Church
<b>family name</b>	<a href="#">Dąbrowski</a> family name
<b>given name</b>	<a href="#">Marian</a> male given name

Doctors' Trial

Q160721 🌐 🔍 🌍

Nuremberg Military Trial (NMT) 1 trial in [Germany](#), part of [Subsequent Nuremberg Trials](#)



Free images Google search

External sources

VIAF 316566239

Wikimedia projects

Concept cloud

# Doctors' Trial (Q160721)


Julgamento dos Médicos | Proces des medecins | Procès des docteurs | Tribunal médico de Nuremberg | Proceso de los doctores | Tribunal medico de Nuremberg | Pengadilan Dokter | Ärzteprozess | 医師裁判 | Läkarrättegången | Läkarrättegångarna | United States v. Karl Brandt, et al. | NMT 1 | Doctors Trial | Nuremberg Medical Trial | Legeprosessen i Nürnberg | Norimberský lékařský proces | 對醫生的審判 | 醫生審判

Nuremberg Military Trial (NMT) 1

Location properties

instance Trial of

Maps



Other Wikidata items within 15km | [Geohack](#) | [TagInfo](#) | [Overpass](#) | 49.4543 / 11.0485

Location	
Name	Description
Europe	continent on Earth, mainly on the northeastern quadrant, i.e. north-western Eurasia
Germany	sovereign state in central-western Europe



External sources

BabelNet

17353456n

BNCF Thesaurus

59657

GND

4208852-5

Library of Congress authority

sh85093306

External identifiers

Wikimedia projects

Current language Wikipedias

en

Doctors' trial

Big Wikipedias

cs

Lékařský proces

de

Nürnberger Ärzteprozess

el

Δίκη των Ιατρών

es

Juicio de los doctores

et

Nürnbergi kohtuprotsess

kuritegudes osalenud arstide vastu

fi

Lääkärioikeudenkäynti

fr

Procès des Médecins

it

Processo ai dottori

ja

医者裁判

Germany	sovereign state in central-western Europe
Doctors' Trial	Nuremberg Military Trial (NMT) 1

## Other properties

**part of** **Subsequent Nuremberg Trials** Series of military tribunals held in Germany after World War II

### From related items

**participant in** 431 items. [Show items](#)

**has part** [Subsequent Nuremberg Trials](#) Series of military tribunals held in Germany after World War II

<b>main</b> <b>subject</b>	<a href="#">The Nuremberg Medical Trial 1946/47, Guide to the Microfiche Edition</a> <a href="#">Index to the Nuremberg Trial transcripts</a> <hr/> <a href="#">Doctors from hell</a> first hand account of Doctors' Trial
-------------------------------	---

## Timeline

February 7, 1947

participant in: Martin Steinbrecher

German physician

**FEBRUARY**  
**5, 1947**  
participant in:  
Heinrich Hillme

**FEBRUARY**  
**7, 1947**  
participant in:  
Kurt Geist

n: Hanna

participant in: Hans Halt

participant in: Siegmund

participant in: Frey

participant in: Otto Warburg

participant in: Martin Steinbrecher

participant in: Heinrich Kliewe

participant in: Carl-Heinz Grabe

participant in: Fritz Zettner

participant in: Klaus Bonatz

participant in: Wirtl

participant in: W. Grothmann

participant in: Randerath

participant in: Oertzen

participant in: Carl Blumenreuter

participant in: Karl Han

participant in: Hillmer

participant in: Fr. Himmelstoss

participant in: Brunner

participant in: Schulema

participant in: Mueller

participant in: Karl Han

participant in: Hillmer

participant in: Fritz Zettner

participant in: Klaus Bonatz

participant in: Wirtl

it	Processo ai dottori
ja	医者裁判
nl	Artsenproces
pl	Proces lekarzy
pt	Processo contra os médicos
ru	Нюрнбергский процесс над врачами
sk	Norimberský lekársky proces
sv	USA mot Karl Brandt et al.
tr	Doktorlar davası
zh	醫生審判

**Wikimedia Commons**

[commons](#) [Category:Doctors' Trial](#)

## Other Wikipedias

ar	محكمة الأطباء
bg	Докторски процес
ca	Judici dels metges
fa	دادگاه پزشکان
he	משפט הרופאים בגרמניה
hr	Nürnberški proces protiv nacističkih liječnika
id	Peradilan Dokter
ko	의사 재판
lb	Nürnberger Doktere-Prozess
ms	Perbicaraan Doktor
no	Legeprosess
ro	Procesul medicilor
sq	Gjyqi i Mjekëve
sr	Докторско суђење
th	การพิจารณาคดีแพทย์

Concept cloud



participant in	<b>Hermann Boehm</b> German eugenicist subject has role : <a href="#">affiant</a>
	<b>Rolf Rosenthal</b> German physician subject has role : <a href="#">affiant</a>
	<b>Otto Barnewald</b> German SS officer and concentration camps administrator (1896-1973) subject has role : <a href="#">affiant</a>
	<b>Ernst Wilhelm Baader</b> German physician subject has role : <a href="#">affiant</a>
	<b>Friedrich Jung</b> German pharmacologist subject has role : <a href="#">affiant</a> subject has role : <a href="#">expert witness</a>
	<b>Friedrich Mennecke</b> German psychiatrist; euthanasia perpetrator subject has role : <a href="#">witness</a>
	<b>Fritz Schwalm</b> SS member, Nazi Germany subject has role : <a href="#">affiant</a>
	<b>Heinrich Teitge</b> German physician; General SS subject has role : <a href="#">affiant</a>
	<b>Irmgard Huber</b> Hadamar head nurse subject has role : <a href="#">affiant</a>
	<b>Gustav Steinbauer</b> Nuremberg Trial defense attorney subject has role : <a href="#">criminal defense lawyer</a>
	<b>Hans Gawlik</b> attorney, Nuremberg Trial subject has role : <a href="#">criminal defense lawyer</a>
	<b>Hans Schaefer</b> German physician subject has role : <a href="#">affiant</a>
	<b>Hermann Pfannmüller</b> German psychiatrist and neurologist subject has role : <a href="#">witness</a>
	<b>Pauline Kneissler</b> nurse involved with Nazi euthanasia program subject has role : <a href="#">affiant</a>
	<b>Johannes Baier</b> Nazi SS Officer subject has role : <a href="#">defendant</a>
	<b>Karl Engert</b> German politician and judge

zh醫生審判

Wikimedia Commons

commons' [Category:Doctors' Trial](#)

Other Wikipedias

ar	محاکمة الأطباء
bg	Докторски процес
ca	Judici dels metges
fa	دادگاه پزشکان
he	משפט הרופאים בגרמניה
hr	Nürnberški proces protiv nacističkih liječnika
id	Peradilan Dokter
ko	의사 재판
lb	Nürnberger Doktere-Prozess
ms	Perbicaraan Doktor
no	Legeprosessen
ro	Procesul medicilor
sq	Gjyqi i Mjekëve
sr	Докторско суђење
th	การพิจารณาคดีแพทย์

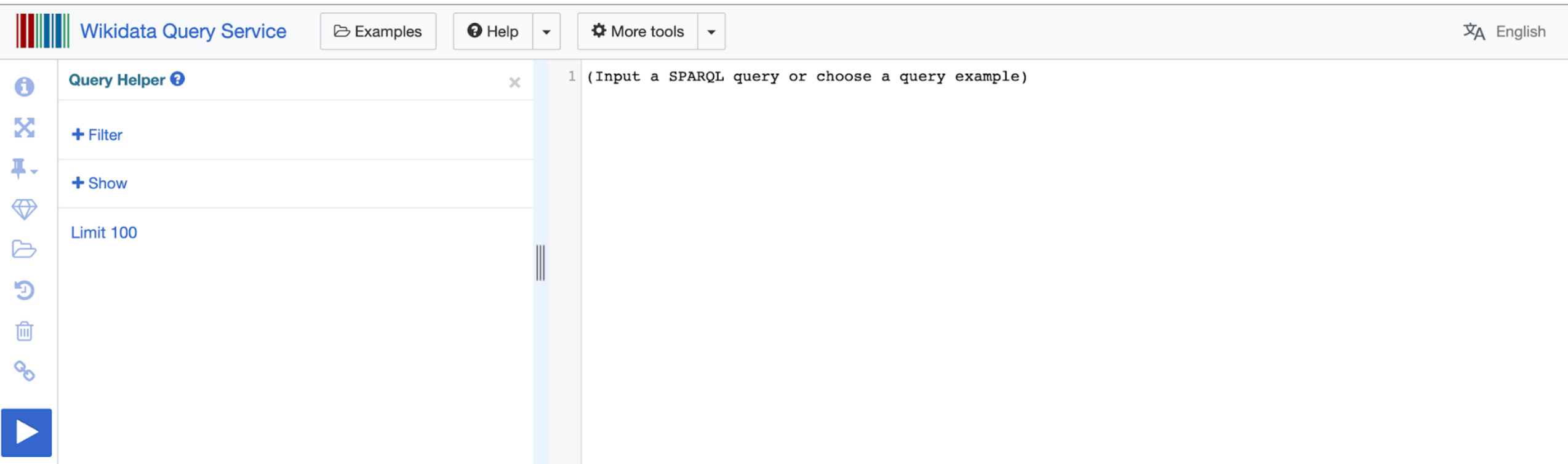
Concept cloud





# Wikidata Query Service

- SPARQL endpoint to query Wikidata



The screenshot shows the Wikidata Query Service interface. At the top, there is a header bar with the Wikidata logo, the text "Wikidata Query Service", and navigation buttons for "Examples", "Help", and "More tools". On the right side of the header, there is a language selector set to "English". Below the header, the interface is divided into two main sections. On the left, there is a "Query Helper" sidebar with a close button (x). It contains a vertical list of icons on the far left and three main sections: "+ Filter", "+ Show", and "Limit 100". On the right, there is a large text input area for a SPARQL query. The first line of the input area contains the text "1 (Input a SPARQL query or choose a query example)". At the bottom left of the interface, there is a large blue play button icon.

Link: <https://query.wikidata.org/>



# Built in Query Service

Wikidata Query Service

ExamplesHelpMore tools

Query Helper

+ Filter

participant inDoctors' Trial

sex or genderfemale

+ Show

Limit 500

1 SELECT ?Doctors\_\_Trial ?Doctors\_\_Triallabel WHERE {

2 SERVICE wikibase:label { bd:serviceParam wikibase:language "[AUTO\_LANGUAGE],en". }

3 ?Doctors\_\_Trial wdt:P1344 wd:Q160721; wdt:P21 wd:Q6581072.

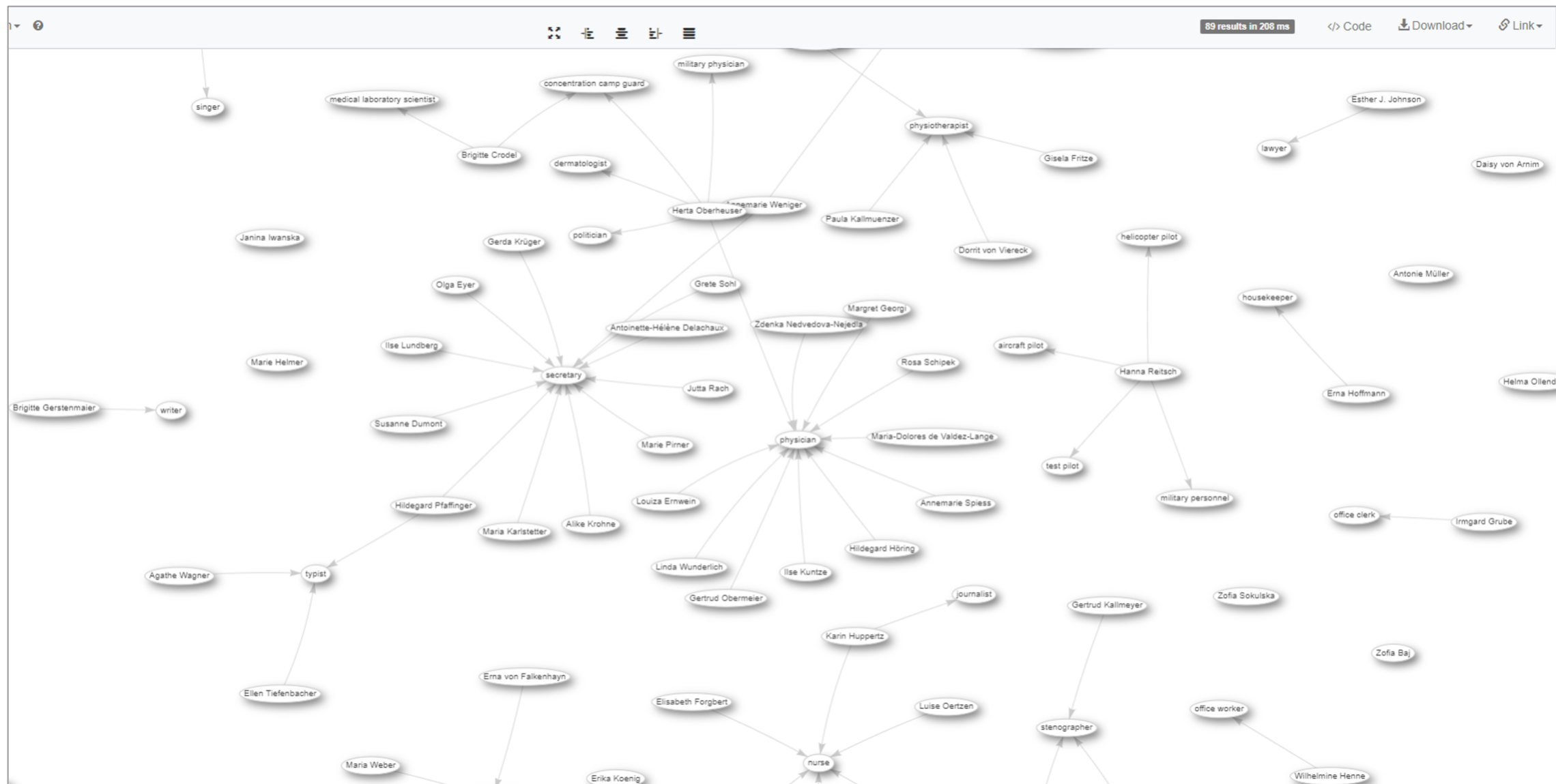
4 }

5 LIMIT 500

75 results in 152 ms

Doctors__Trial	Doctors__Triallabel
wd:Q91460934	Annemarie Weniger
wd:Q93494447	Marie Pirner
wd:Q93998804	Leo Michalowski
wd:Q57157	Hanna Reitsch
wd:Q61527	Herta Oberheuser
wd:Q1632789	Pauline Kneissler
wd:Q1729455	Karin Huppertz
wd:Q1893296	Marcellina Kuenburg
wd:Q14954712	Irmgard Huber

?



# Projects

- WikiCite:  
[[wikicite.org](http://wikicite.org)]
- WikiProject Law:  
[[https://www.wikidata.org/wiki/Wikidata:WikiProject\\_Law](https://www.wikidata.org/wiki/Wikidata:WikiProject_Law)]
- WikiProject Libraries  
[[https://www.wikidata.org/wiki/Wikidata:WikiProject\\_Libraries](https://www.wikidata.org/wiki/Wikidata:WikiProject_Libraries)]
- WikiProject Open Access:  
[[https://www.wikidata.org/wiki/Wikidata:WikiProject\\_Open\\_Access](https://www.wikidata.org/wiki/Wikidata:WikiProject_Open_Access)]

# Resources

- ARL White Paper on Wikidata: Opportunities and Recommendations  
[<http://hdl.handle.net/1805/18902>]



# Questions?

---

[mlemusro@iupui.edu](mailto:mlemusro@iupui.edu) • [tma@law.harvard.edu](mailto:tma@law.harvard.edu)